

if a English version is needed, please let me know

李立范

李立范 email: gulifan@hotmail.com

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A horizontal row of 20 empty rectangular boxes, likely for students to write their answers in a worksheet.

A horizontal row of ten empty square boxes, intended for children to draw or write in.

A 2x10 grid of 20 empty rectangular boxes, arranged in two rows of ten.

17x17

AlphaGo Zero

□ 19x19 game

□□□□□□□□□□□□□□□□ game □□□□□□□□□□□□□□□□ game □

- 1) AlphaGo Zero** superhuman 100%胜率

- 2) چینی‌گاهی** Chinese room argument چینی‌گاهی

- 3) 《自私的基因》(The Selfish Gene / The Immortal Gene)**

A decorative horizontal bar consisting of a series of small, evenly spaced rectangular blocks, likely made of wood or a similar material, used as a visual separator or border.

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word-embedding vector space knowledge graph

A decorative horizontal bar consisting of a series of small, evenly spaced rectangular blocks.

“**三**”**一**+**二**+**四****五****六****七****八****九****十****十一****十二****十三****十四****十五****十六****十七****十八****十九****二十****二十一****二十二****二十三****二十四****二十五****二十六****二十七****二十八****二十九****三十****三十一****三十二****三十三****三十四****三十五****三十六****三十七****三十八****三十九****四十****四十一****四十二****四十三****四十四****四十五****四十六****四十七****四十八****四十九****五十**

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“我就是想让你知道，你不是唯一一个被我爱着的人。”

Technological Singularity AlphaGo Zero superhuman Quantum Supremacy

A horizontal row of fifteen empty square boxes, intended for children to draw or color in.

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国際大脳研究会 BRAIN Initiative 国際大脳研究会

□ AlphaGo Zero □ Superhuman □ Quantum Supremacy □ □

# Nature

量子计算在游戏中的应用 game 在 Nature 中 Quantum Supremacy 在 Nature 中 [3]

# Quantum Supremacy

量子计算机 qubit NISQ noisy intermediate-scale quantum

Quantum Supremacy 量子霸权 Sycamore 莎草 Sycamore NISQ 量子霸权 noise 量子霸权 noise noise 量子霸权 noise noise noise

IBM Sycamore が AlphaGo Zero を破る

Quantum Supremacy 量子霸权 vs noise 量子噪音

Quantum Supremacy □ NISQ □ John Preskill □ 1000000 [4] □

Quantum Supremacy  
Quantum Supremacy  
Quantum Supremacy □ Nature □

Quantum Supremacy 量子霸权 optimization 优化 machine learning 机器学习 quantum computing 量子计算 NISQ 量子近似随机化 Sycamore 量子计算机

嘈雜的 noisy

# Quantum Supremacy

Nature | (2023) 599:10 | Superhuman □ Quantum Supremacy □

AlphaGo Zero □ Superhuman □ Quantum Supremacy □ 量子计算“霸权”□ 人工智能  
□ 未来趋势

A decorative horizontal bar consisting of a series of small, evenly spaced rectangles.

A horizontal row of twelve empty square boxes, likely used for a survey or form.

A decorative horizontal bar consisting of a series of small, evenly spaced rectangular blocks.

Académie française

A decorative horizontal bar consisting of a series of small, evenly spaced squares.

Figure 1. A schematic diagram of the proposed model architecture.

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smart phone

niche market និងការប្រើប្រាស់IT នៅក្នុងការបង្កើតរបស់ខ្លួន

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[1] Dialogo sopra i due massimi sistemi del mondo (Dialogue Concerning the Two Chief World Systems), Galileo Galilei, published in 1632.

[2] Mastering the game of Go without human knowledge, Silver D., Schrittwieser J., Simonyan K. et al, published in Nature, on 18 October 2017:

<https://www.nature.com/articles/nature24270>.

[3] Quantum supremacy using a programmable superconducting processor, Arute F. et al, published in Nature, on 23 October, 2019:

<https://www.nature.com/articles/s41586-019-1666-5>

[4] <https://www.quantamagazine.org/john-preskill-explains-quantum-supremacy-20191002/>.